C-A OPERATIONS PROCEDURES MANUAL

ATTACHMENT

4.120.54.d U-Down & V-Primary (PEER 25) Sweep Tests

C-A-OPM Procedures in which this Attachment is used.		
4.120.54		

Hand Processed Changes

HPC No.	Date	Page Nos.	Initials
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Approved:_____*Signature on File*_____   _____
Collider-Accelerator Department Chairman   Date

V. Castillo

4.120.54.d U-Down & V-Primary (PEER 25) Sweep Tests

PASS SEMI-ANNUAL ACCEPTANCE TEST PROTOCOL

Division A Software Filename and Checksum: Title:_____ **Checksum:** _____

Division B Software Filename and Checksum: Title:_____ **Checksum:** _____

Initial testing complete:

Test Team Leader's Name (Print): _____ **Life Number:** _____

Test Team Leader's Name (Sign): _____ **Date:** _____/____/_____

Acceptance test procedure complete (following repairs and retesting if required):

Test Team Leader's Name (Print): _____ **Life Number:**_____

Test Team Leader's Name (Sign): _____ **Date:** _____/____/_____

Test results reviewed by:

Safety Section Head's Name (Print):_____ **Life Number:** _____

Safety Section Head's Name (Sign):_____ **Date:** _____/____/_____

Test results accepted by Radiation Safety Committee:

RSC Member's Name (Print):_____ **Life Number:** _____

 RSC Member's Name (Sign):_____ **Date:** _____/____/_____

1.1 Test of Sweep of U-Down

PLACE	**Peer 25** in **Mode 16**	
☐ **VERIFY**	**Peer 25** is in **Controlled Access**	**MODE 16**
ACTIVATE	Check station **U-DnCS1**	
☐ **VERIFY**	Check station **U-DnCS1** indicator (**Area Secured**)	**BLINKS ONCE**
ACTIVATE	Check station **U-DnCS2**	
☐ **VERIFY**	Check station **U-DnCS2** indicator (**Area Secured**)	**BLINKS ONCE**
RESET	Gate **UED1**	
☐ **VERIFY**	Gate **UED1** is	**RESET**
ACTIVATE	Check station **U-DnCS3**	
☐ **VERIFY**	Check station **U-DnCS3** indicator (**Area Secured**)	**BLINKS ONCE**
☐ **VERIFY**	Gate **UGI1** is	**CLOSED**
ACTIVATE	Check station **U-DnCS4**	
☐ **VERIFY**	Check station **U-DnCS4** indicator (**Area Secured**)	**BLINKS ONCE**
ACTIVATE	Check station **U-DnCS5**	
☐ **VERIFY**	Check station **U-DnCS5** indicator (**Area Secured**) **remains**	**ON**
RESET	Gates **UGE2** and **UGE3** from **MCR**	
☐ **VERIFY**	Gates **UGE2** ☐ and **UGE3** ☐ are	**RESET**
EXIT	Gate **UGE2** or **UGE3** with **Sim. Rel.,** leaving **one** personnel **inside**	
☐ **VERIFY**	**MCR** sees Zone **U-Down**	**SWEEP GOOD**

☐ **Check for acceptance of Test of Sweep of U-Down**

1.2 Test of Illegal Exit from U-Down Drops the Sweep

EXIT	**UGE2** or **UGE3 without** Sim. Rel.	
☐ **VERIFY**	**MCR** sees U-Down **sweep** is	**NO SWEEP**

☐ **Check for acceptance of Test of Illegal Exit from U-Down Drops the Sweep**

1.3 Test of Sweep of V-Primary

PLACE	**Peer 25** in **Mode 16**	
☐ **VERIFY**	**Peer 25** is in **Controlled Access**	**MODE 16**
ACTIVATE	Check station **V-PrCS1**	
☐ **VERIFY**	Check station **V-PrCS1** indicator (**Area Secured**)	**BLINKS ONCE**
ACTIVATE	Check station **V-PrCS2**	
☐ **VERIFY**	Check station **V-PrCS2** indicator (**Area Secured**)	**BLINKS ONCE**
ACTIVATE	Check station **V-PrCS3**	
☐ **VERIFY**	Check station **V-PrCS3** indicator (**Area Secured**)	**ON**
RESET	Gate **VPGE1** from **MCR**	
☐ **VERIFY**	Gate **VPGE1** is	**RESET**
EXIT	Gate **VPGE1** with **Sim. Rel.,** leaving **one** personnel **inside**	
☐ **VERIFY**	**MCR** sees Zone **V-Primary**	**SWEEP GOOD**

☐ **Check for acceptance of Test of Sweep of V-Primary**

1.4   **Test of Illegal Exit from V-Primary Drops the Sweep**

        EXIT   **VPGE1 without** Sim. Rel.
☐ **VERIFY**   **MCR** sees V-Primary **sweep** is   **NO SWEEP**

     ☐   **Check for acceptance of Test of Illegal Exit from V-Primary Drops the Sweep**

<center>**END OF TEST PROCEDURE**</center>

TTL: Sign for completion of initial testing: _____

<div align="right">

Date: _____/____/_____

</div>

TTL: Sign for completion of final testing: _____

<div align="right">

Date: _____/____/_____

</div>